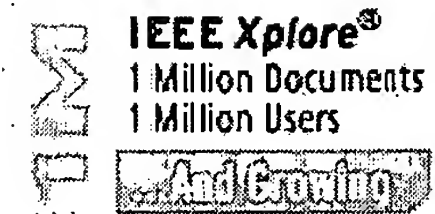
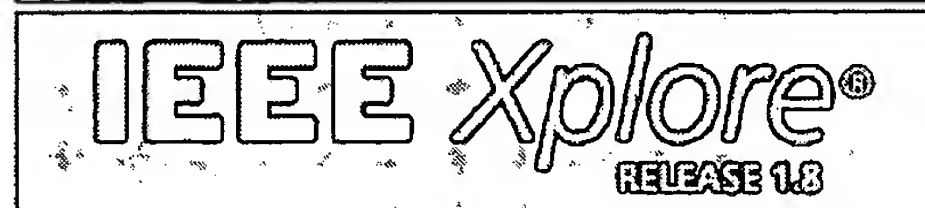


To See Subscription Identifier. Please click on What can I access and Login

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)



[Membership](#) [Publications/Services](#) [Standards](#) [Conferences](#) [Careers/Jobs](#)



[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)

[Quick Links](#)

» 1

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Try our New Full-text Search Prototype



[Help](#)

- 1) Enter keywords in one or more text boxes.
- 2) Select the fields to search for each keyword.
- 3) Select search operators when using multiple keywords.
- 4) Limit the results by selecting Search Options.
- 5) Click Search. See [Search Examples](#)

drive <phrase> mode In: Title

And

temperature <sentenc In: Title

And

change <phrase> mod In: All Fields

Search Clear

**Note:** This function returns plural and suffixed forms of the keyword(s).

**Search Options:**

**Select publication types:**

- ☒ IEEE Journals
- ☒ IEE Journals
- ☒ IEEE Conference proceedings
- ☒ IEE Conference proceedings
- ☒ IEEE Standards

**Select years to search:**

From year: 1950 to 2002

**Organize search results by:**

Sort by: Relevance

In: Descending order

List 15 Results per page

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

**IEEE Xplore®**  
 RELEASE 1.8

**IEEE Xplore®**  
 1 Million Documents  
 1 Million Users

And Growing

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
**Quick Links**

» See

**Welcome to IEEE Xplore®**

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

Your search matched **0** of **1088345** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.

( drive &lt;phrase&gt; mode&lt;in&gt;ti ) &lt;and&gt; ( temperature

**Search**☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard

= Your access to full-text

**Results:****No documents matched your query.** **Print Format**
[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

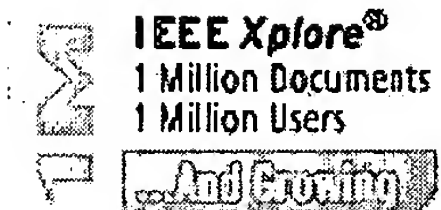
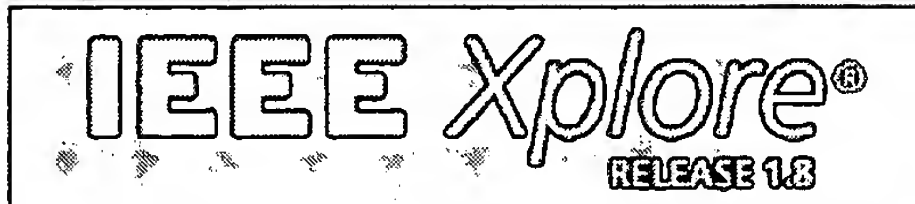
Copyright © 2004 IEEE — All rights reserved

To See Subscription Identifier. Please click on What can I access and Login

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)



[Membership](#) [Publications/Services](#) [Standards](#) [Conferences](#) [Careers/Jobs](#)



[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)

[Quick Links](#)

» 1

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Try our New Full-text Search Prototype



[Help](#)

- 1) Enter keywords in one or more text boxes.
- 2) Select the fields to search for each keyword.
- 3) Select search operators when using multiple keywords.
- 4) Limit the results by selecting Search Options.
- 5) Click Search. See [Search Examples](#)

adaptive In: Title

And

integrator In: Title

And

calibration In: Title

Search Clear

**Note:** This function returns plural and suffixed forms of the keyword(s).

Search Options:

Select publication types:

- ☒ IEEE Journals
- ☒ IEE Journals
- ☒ IEEE Conference proceedings
- ☒ IEE Conference proceedings
- ☒ IEEE Standards

Select years to search:

From year: 1950 to 2002

Organize search results by:

Sort by: Relevance

In: Descending order

List 15 Results per page

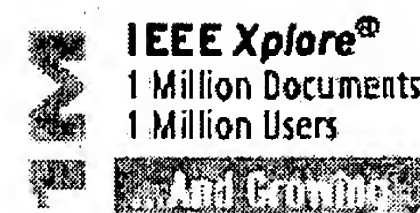
[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

**IEEE Xplore®**  
 RELEASE 1.8

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)

» Search

## Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

## Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

## Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

## Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

## IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Your search matched **0** of **1088345** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

## Refine This Search:

You may refine your search by editing the current search expression or entering a new one in the text box.


☐ Check to search within this result set

## Results Key:

**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard

= Your access to full-text

## Results:

**No documents matched your query.**

Print Format

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

**Dialog DataStar**[options](#)[logout](#)[feedback](#)[help](#)[databases](#)[easy  
search](#)**Advanced Search: INSPEC - 1969 to date (INZZ)**[limit](#)

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	set NEAR temperature	unrestricted	2699	<a href="#">show titles</a>
2	INZZ	two NEAR modes	unrestricted	17799	<a href="#">show titles</a>
3	INZZ	seek NEAR mode	unrestricted	33	<a href="#">show titles</a>
4	INZZ	idle NEAR mode	unrestricted	101	<a href="#">show titles</a>
5	INZZ	1 AND 2	unrestricted	5	<a href="#">show titles</a>
6	INZZ	5 AND 3	unrestricted	0	-
7	INZZ	5 AND 4	unrestricted	0	-
8	INZZ	disk NEAR drive	unrestricted	4001	<a href="#">show titles</a>
9	INZZ	8 AND 2	unrestricted	10	<a href="#">show titles</a>
10	INZZ	9 AND 3	unrestricted	0	-
11	INZZ	9 AND 4	unrestricted	0	-
12	INZZ	8 AND 1	unrestricted	1	<a href="#">show titles</a>

[show last 10 searches](#) | [hide](#) | [delete all search steps...](#) | [delete individual search steps...](#)Enter your search term(s): [Search tips](#) Information added since:  or:   
(YYYYMMDD)[search](#)

Select special search terms from the following list(s):

- ☒ Classification codes A: Physics, 0-1
- ☒ Classification codes A: Physics, 2-3
- ☒ Classification codes A: Physics, 4-5
- ☒ Classification codes A: Physics, 6
- ☒ Classification codes A: Physics, 7
- ☒ Classification codes A: Physics, 8
- ☒ Classification codes A: Physics, 9

- ➔ Classification codes B: Electrical & Electronics, 0-5
- ➔ Classification codes B: Electrical & Electronics, 6-9
- ➔ Classification codes C: Computer & Control
- ➔ Classification codes D: Information Technology
- ➔ Classification codes E: Manufacturing & Production
- ➔ Treatment codes
- ➔ INSPEC sub-file
- ➔ Publication types
- ➔ Language of publication

[Top](#) - [News & FAQs](#) - [Dialog](#)

© **2004** Dialog





- options
- logoff
- feedback
- help

- databases
- search page

## Titles

To view one or many selected titles scroll down the list and click the corresponding boxes. Then click display at the bottom of the page. To view one particular document click the link above the title to display immediately.

Documents 1 to 1 of 1 from your search "(disk NEAR drive) AND (set NEAR temperature)" in all the available information:

Number of titles selected from other pages: 0

☐ 1 [display full document](#)

2003. (INZZ) Vibration of flex circuits in hard **disk** drives.

Selection	Display Format	Output Format	ERA <sup>SM</sup> Electronic Redistribution & Archiving
<input checked="" type="radio"/> from this page <input type="radio"/> from all pages	<input checked="" type="radio"/> Full <input type="radio"/> Free <input type="radio"/> Short <input type="radio"/> Medium <input type="radio"/> Custom <a href="#">Help with Formats</a>	<input checked="" type="radio"/> HTML <input type="radio"/> Tagged (for tables) <input type="radio"/> PDF <input type="radio"/> RTF	Copies you will redistribute: <input type="text"/> Employees who will access archived record (s): <input type="text"/> <a href="#">Help with ERA</a>
Sort your entire search result by <input type="text" value="Publication year"/> <input type="button" value="Ascending"/>			

Dialog DataStar

options

logoff

feedback

help

databases

easy search

Advanced Search: INSPEC - 1969 to date (INZZ)

limit

Search history:

No.	Database	Search term	Info added since	Results	
2	INZZ	two NEAR modes	unrestricted	17799	<a href="#">show titles</a>
3	INZZ	seek NEAR mode	unrestricted	33	<a href="#">show titles</a>
4	INZZ	idle NEAR mode	unrestricted	101	<a href="#">show titles</a>
5	INZZ	1 AND 2	unrestricted	5	<a href="#">show titles</a>
6	INZZ	5 AND 3	unrestricted	0	-
7	INZZ	5 AND 4	unrestricted	0	-
8	INZZ	disk NEAR drive	unrestricted	4001	<a href="#">show titles</a>
9	INZZ	8 AND 2	unrestricted	10	<a href="#">show titles</a>
10	INZZ	9 AND 3	unrestricted	0	-
11	INZZ	9 AND 4	unrestricted	0	-

[show all](#) | [hide](#) | [delete all search steps...](#) | [delete individual search steps...](#)

Enter your search term(s): [Search tips](#)

whole document

Information added since:  or:  none   
(YYYYMMDD)

search

Select special search terms from the following list(s):

- ☒ Classification codes A: Physics, 0-1
- ☒ Classification codes A: Physics, 2-3
- ☒ Classification codes A: Physics, 4-5
- ☒ Classification codes A: Physics, 6
- ☒ Classification codes A: Physics, 7
- ☒ Classification codes A: Physics, 8
- ☒ Classification codes A: Physics, 9
- ☒ Classification codes B: Electrical & Electronics, 0-5
- ☒ Classification codes B: Electrical & Electronics, 6-9



- ➔ Classification codes C: Computer & Control
- ➔ Classification codes D: Information Technology
- ➔ Classification codes E: Manufacturing & Production
- ➔ Treatment codes
- ➔ INSPEC sub-file
- ➔ Publication types
- ➔ Language of publication

[Top](#) - [News & FAQs](#) - [Dialog](#)

© **2004** Dialog

options

logoff

feedback

help

databases

search page

# Titles

To view one or many selected titles scroll down the list and click the corresponding boxes. Then click display at the bottom of the page. To view one particular document click the link above the title to display immediately.

Documents 1 to 10 of 10 from your search "**(disk NEAR drive) AND (two NEAR modes)**" in all the available information:

Number of titles selected from other pages: 0

- ☐
**Select All**
- ☐
1
[display full document](#)  
2002. (INZZ) Write-to-read coupling.
- ☐
2
[display full document](#)  
2000. (INZZ) Bump characterization with MR/GMR head as transducer.
- ☐
3
[display full document](#)  
2000. (INZZ) Measurement and modeling of quasi-rigid-body **modes** in the head actuator assembly.
- ☐
4
[display full document](#)  
1999. (INZZ) Operating characteristics of a same-phase **drive-type** ultrasonic motor using a flexural **disk** vibrator.
- ☐
5
[display full document](#)  
1998. (INZZ) Same-phase **drive-type** small-sized ultrasonic motor using degeneration **modes** of a circular plate.
- ☐
6
[display full document](#)  
1997. (INZZ) Accelerometer feedforward servo for **disk** drives.
- ☐
7
[display full document](#)  
1994. (INZZ) Slider vibrations induced by ramp-suspension interaction during the ramp loading process.
- ☐
8
[display full document](#)  
1986. (INZZ) Flow induced vibration of magnetic head suspension in hard **disk drive**.
- ☐
9
[display full document](#)  
1985. (INZZ) Powertran BBC software.
- ☐
10
[display full document](#)  
1983. (INZZ) Text editing and formatting with WordStar.

Selection	Display Format	Output Format	ERA <sup>SM</sup> Electronic Redistribution & Archiving
<input checked="" type="radio"/> from this page	<input checked="" type="radio"/> Full	<input checked="" type="radio"/> HTML	Copies you will redistribute: <input type="text"/>

<input type="radio"/> from all pages	<input type="radio"/> Free <input type="radio"/> Short <input type="radio"/> Medium <input type="radio"/> Custom <a href="#">Help with Formats</a>	<input type="radio"/> Tagged (for tables) <input type="radio"/> PDF <input type="radio"/> RTF	Employees who will access archived record (s): <input type="text"/> <a href="#">Help with ERA</a>
<b>Sort your entire search result by</b> <input type="text" value="Publication year"/> <input type="button" value="Ascending"/>			

Top - News &amp; FAQs - Dialog

© 2004 Dialog

**Dialog DataStar**[options](#)[logoff](#)[feedback](#)[help](#)[databases](#)[easy  
search](#)**Advanced Search: INSPEC - 1969 to date (INZZ)**[limit](#)

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	set NEAR temperature	unrestricted	2699	<a href="#">show titles</a>
2	INZZ	two NEAR modes	unrestricted	17799	<a href="#">show titles</a>
3	INZZ	seek NEAR mode	unrestricted	33	<a href="#">show titles</a>
4	INZZ	idle NEAR mode	unrestricted	101	<a href="#">show titles</a>
5	INZZ	1 AND 2	unrestricted	5	<a href="#">show titles</a>
6	INZZ	5 AND 3	unrestricted	0	-
7	INZZ	5 AND 4	unrestricted	0	-

[hide](#) | [delete all search steps...](#) | [delete individual search steps...](#)Enter your search term(s): [Search tips](#) Information added since:  or:   
(YYYYMMDD)[search](#)

Select special search terms from the following list(s):

- ☒ Classification codes A: Physics, 0-1
- ☒ Classification codes A: Physics, 2-3
- ☒ Classification codes A: Physics, 4-5
- ☒ Classification codes A: Physics, 6
- ☒ Classification codes A: Physics, 7
- ☒ Classification codes A: Physics, 8
- ☒ Classification codes A: Physics, 9
- ☒ Classification codes B: Electrical & Electronics, 0-5
- ☒ Classification codes B: Electrical & Electronics, 6-9
- ☒ Classification codes C: Computer & Control
- ☒ Classification codes D: Information Technology
- Classification codes E: Manufacturing & Production



Treatment codes



INSPEC sub-file



Publication types



Language of publication

[Top](#) - [News & FAQs](#) - [Dialog](#)

© **2004** Dialog

Dialog DataStar

options

logoff

feedback

help

databases

search page

## Titles

To view one or many selected titles scroll down the list and click the corresponding boxes. Then click display at the bottom of the page. To view one particular document click the link above the title to display immediately.

Documents 1 to 5 of 5 from your search "(set NEAR temperature) AND (two NEAR modes)" in all the available information:

Number of titles selected from other pages: 0

- ☐ **Select All**
- ☐ 1 [display full document](#)  
1998. (INZZ) Application of a **temperature** control system to a new hot strip finishing mill.
- ☐ 2 [display full document](#)  
1998. (INZZ) Parametric study on the operating efficiencies of a packed bed for **high-temperature** sensible heat storage.
- ☐ 3 [display full document](#)  
1996. (INZZ) A **low-temperature** option down to -70 degrees C for a **high-temperature** attachment.
- ☐ 4 [display full document](#)  
1985. (INZZ) Effect of design parameters on performance of built-in-storage solar water heaters.
- ☐ 5 [display full document](#)  
1982. (INZZ) Time-dependent solutions of multimode convection equations.

Selection	Display Format	Output Format	ERA <sup>SM</sup> Electronic Redistribution & Archiving
<div><input checked="" type="radio"/> from this page</div> <div><input type="radio"/> from all pages</div>	<div><input checked="" type="radio"/> Full</div> <div><input type="radio"/> Free</div> <div><input type="radio"/> Short</div> <div><input type="radio"/> Medium</div> <div><input type="radio"/> Custom</div> <div><a href="#">Help with Formats</a></div>		



[Top](#) - [News & FAQs](#) - [Dialog](#)

© **2004** Dialog



Welcome  
United States Patent and Trademark Office



[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)

[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Try our New Full-text Search Prototype **GO**

[Help](#)

### To Locate an Author:

1. Enter a last name or select a letter in the alphabet.
2. Once you identify the name, select it to search the database for relevant articles.

#### 1.Options:

» Enter a name to find an author:

 **Go**

Example: Enter Lockett S to obtain a list of authors with the last name Lockett and first name initial S.  
OR» Select a letter to browse the author list:

**A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | ALL**

#### 2. Select an author name to search the database for relevant articles:

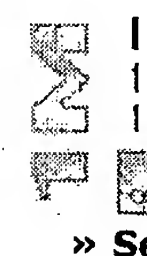
<a href="#">Jorge A.</a>	<a href="#">Jorge A. M.</a>	<a href="#">Jorge C.</a>	<a href="#">Jorge D. C.</a>	<a href="#">Jorge</a>
<a href="#">Jorge F.</a>	<a href="#">Jorge G. H. R.</a>	<a href="#">Jorge Griio</a>	<a href="#">Jorge H.</a>	<a href="#">Jorge</a>
<a href="#">Jorge J.</a>	<a href="#">Jorge J. A.</a>	<a href="#">Jorge J. A. P.</a>	<a href="#">Jorge L. A.</a>	<a href="#">Jorge</a>
<a href="#">Jorge P. A. S.</a>	<a href="#">Jorge P. M.</a>	<a href="#">Jorge R. D.</a>	<a href="#">Jorge S.</a>	<a href="#">Jorge</a>
<a href="#">Jorge-Zavala M. F.</a>	<a href="#">Jorgen A.</a>	<a href="#">Jorgens B.</a>	<a href="#">Jorgens D.</a>	<a href="#">Jorge</a>
<a href="#">Jorgensen A. H.</a>	<a href="#">Jorgensen A. M.</a>	<a href="#">Jorgensen B. F.</a>	<a href="#">Jorgensen B. N.</a>	<a href="#">Jorge</a>
<a href="#">Jorgensen C. C.</a>	<a href="#">Jorgensen C. G.</a>	<a href="#">Jorgensen C. S.</a>	<a href="#">Jorgensen E.</a>	<a href="#">Jorge</a>
<a href="#">Jorgensen F. E.</a>	<a href="#">Jorgensen G. H.</a>	<a href="#">Jorgensen G. J.</a>	<a href="#">Jorgensen H.</a>	<a href="#">Jorge</a>
<a href="#">Jorgensen H. N.</a>	<a href="#">Jorgensen I. H. H.</a>	<a href="#">Jorgensen J.</a>	<a href="#">Jorgensen J. B.</a>	<a href="#">Jorge</a>
<a href="#">Jorgensen J. H.</a>	<a href="#">Jorgensen J. L.</a>	<a href="#">Jorgensen K. V.</a>	<a href="#">Jorgensen L.</a>	<a href="#">Jorge</a>

Next 29

**A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | ALL**

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE


[Membership](#)
[Publications/Services](#)
[Standards](#)
[Conferences](#)
[Careers/Jobs](#)
**IEEE Xplore®**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office

[Help](#)
[FAQ](#)
[Terms](#)
[IEEE Peer Review](#)
[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

Your search matched **11** documents.
 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.
**Results Key:**
**JNL** = Journal or Magazine    **CNF** = Conference    **STD** = Standard

**1 Evanescently coupled photodiodes integrating a double-stage taper 40-Gb/s applications-compared performance with side-illuminated photodiodes**

Demiguel, S.; Giraudet, L.; Joulaud, L.; Decobert, J.; Blache, F.; Coupe, V.; J. F.; Pagnod-Rossiaux, P.; Boucherez, E.; Achouche, M.; Devaux, F.;  
 Lightwave Technology, Journal of , Volume: 20 , Issue: 12 , Dec. 2002  
 Pages:2004 - 2014

[\[Abstract\]](#)   [\[PDF Full-Text \(1353KB\)\]](#)   **IEEE JNL**
**2 A DC-100 GHz frequency doubler in InP DHBT technology**

Puyal, V.; Konczykowska, A.; Nouet, P.; Bernard, S.; Blayac, S.; Jorge, F.; Riet, M.; Godin, J.;  
 Microwave Symposium Digest, 2004 IEEE MTT-S International , Volume: 1 , 6  
 June 2004  
 Pages:167 - 170 Vol.1

[\[Abstract\]](#)   [\[PDF Full-Text \(383KB\)\]](#)   **IEEE CNF**
**3 DFF-drivers ICs for 40 Gb/s ETDM in InP DHBT technology**

Konczykowska, A.; Jorge, F.; Riet, M.; Blayac, S.; Moulu, J.; Godin, J.;  
 Microwave Symposium Digest, 2004 IEEE MTT-S International , Volume: 1 , 6  
 June 2004  
 Pages:113 - 116 Vol.1

[\[Abstract\]](#)   [\[PDF Full-Text \(366KB\)\]](#)   **IEEE CNF**
**4 Signal to noise ratio enhancement using heterojunction bipolar phototransistor by base current compensation**

Dupont, S.; Fendler, M.; Jorge, F.; Maricot, S.; Vilcot, J.-P.; Decoster, D.;  
 Microwave Photonics, 2000. MWP 2000. International Topical Meeting on , 11-  
 Sept. 2000  
 Pages:59 - 61

[\[Abstract\]](#)   [\[PDF Full-Text \(204KB\)\]](#)   **IEEE CNF**

**5 Up-to-50-GHz-clock InP DHBT digital ICs and optical system experiments**

*Godin, J.; Riet, M.; Blayac, S.; Berdagner, P.; Dhalluin, V.; Kahn, M.; Kasbari, Puyal, V.; Moulou, J.; Jorge, F.; Vuye, S.; Giraudet, L.; Franz, B.; Konczykowska, A.;*

Gallium Arsenide Integrated Circuit (GaAs IC) Symposium, 2003. 25th Annual Technical Digest 2003. IEEE , 9-12 Nov. 2003  
Pages:173 - 176

[\[Abstract\]](#) [\[PDF Full-Text \(448KB\)\]](#) IEEE CNF

**6 Design and measurement of very high bitrate digital ICs fabricated in InP HBT technology**

*Konczykowska, A.; Blayac, S.; Jorge, F.; Riet, M.; Puyal, V.; Godin, J.;*

Microwave Symposium Digest, 2003 IEEE MTT-S International ,Volume: 2 , 8 June 2003  
Pages:1177 - 1180 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(396KB\)\]](#) IEEE CNF

**7 40 Gbit/s high performances GaAs pHEMT high voltage modulator designed for long haul optical fiber communications**

*Mouzannar, W.; Jorge, F.; Vuye, S.; Dutisseuil, E.; Lefevre, R.;*

Gallium Arsenide Integrated Circuit (GaAs IC) Symposium, 2002. 24th Annual Technical Digest , 20-23 Oct. 2002  
Pages:163 - 166

[\[Abstract\]](#) [\[PDF Full-Text \(503KB\)\]](#) IEEE CNF

**8 40 Gbit/s reshaping amplifier cell**

*Meliani, C.; Mouzannar, W.; Jorge, F.; Lefevre, R.;*

Electron Devices for Microwave and Optoelectronic Applications, 2001 International Symposium on , 15-16 Nov. 2001  
Pages:331 - 334

[\[Abstract\]](#) [\[PDF Full-Text \(266KB\)\]](#) IEEE CNF

**9 44 Gbit/s PSBT/DPSK precoder based on very wideband static divider in InP DHBT technology**

*Konczykowska, A.; Puyal, V.; Jorge, F.; Godin, J.;*

Electronics Letters ,Volume: 40 , Issue: 18 , 2 Sept. 2004  
Pages:1146 - 1147

[\[Abstract\]](#) [\[PDF Full-Text \(273KB\)\]](#) IEEE JNL

**10 High-sensitivity decision circuit in InP/InGaAs DHBT technology and 40-80 Gbit/s optical experiments**

*Konczykowska, A.; Jorge, F.; Kasbari, A.; Idler, W.; Giraudet, L.; Schuh, K.; Junginger, B.; Godin, J.;*

Electronics Letters ,Volume: 39 , Issue: 21 , 16 Oct. 2003  
Pages:1532 - 1533

[\[Abstract\]](#) [\[PDF Full-Text \(402KB\)\]](#) IEEE JNL

---

**11 High quality 80Gbit/s InP DHBT selector and its use for NRZ-RZ conversion**

*Konczykowska, A.; Andre, P.; Jorge, F.; Godin, J.;*

Electronics Letters ,Volume: 39 , Issue: 1 , 9 Jan. 2003

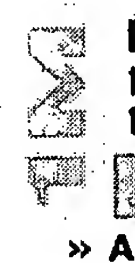
Pages:49 - 51

[\[Abstract\]](#) [\[PDF Full-Text \(338KB\)\]](#) **IEE JNL**

---

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)**IEEE Xplore®**  
RELEASE 1.8Welcome  
United States Patent and Trademark Office

» All

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Try our New Full-text Search Prototype **GO**[Help](#)**To Locate an Author:**

1. Enter a last name or select a letter in the alphabet.
2. Once you identify the name, select it to search the database for relevant articles.

**1.Options:**

» Enter a name to find an author:

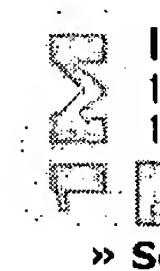
 **Go**Example: Enter Lockett S to obtain a list of authors with the last name Lockett and first name initial S.  
OR» Select a letter to browse the author list:**A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | ALL****2. Select an author name to search the database for relevant articles:**Khurshudov A.**A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | ALL**[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved



IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE


[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)
**IEEE Xplore®**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)
[Quick Links](#)
**Welcome to IEEE Xplore®**

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

 Your search matched **2** documents.

 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

**Results Key:**
**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard

**1 Tribology of laser-textured and mechanically-textured media**

 Khurshudov, A.; Knigge, B.; Talke, F.E.; Baumgart, P.; Tam, A.;  
 Magnetics, IEEE Transactions on , Volume: 33 , Issue: 5 , Sept. 1997  
 Pages:3190 - 3192

[\[Abstract\]](#)   [\[PDF Full-Text \(376KB\)\]](#)   **IEEE JNL**
**2 Tribology Of Laser-Textured and Mechanically Textured Media**

 Khurshudov, A.; Knigge, B.; Talke, F.E.;  
 Magnetics Conference, 1997. Digests of INTERMAG '97., 1997 IEEE  
 International , 1-4 April 1997  
 Pages:CA-05 - CA-05

[\[Abstract\]](#)   [\[PDF Full-Text \(108KB\)\]](#)   **IEEE CNF**

Print Format

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) |  
[New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)**IEEE Xplore®**  
RELEASE 1.8Welcome  
United States Patent and Trademark Office

» I

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

**Try our New Full-text Search Prototype** [Help](#)

- 1) Enter keywords in one or more text boxes.
- 2) Select the fields to search for each keyword.
- 3) Select search operators when using multiple keywords.
- 4) Limit the results by selecting Search Options.
- 5) Click Search. See [Search Examples](#)

jorge In: Author

And

khurshudov In: Author

And

In: All Fields

Search

Clear

**Note:** This function returns plural and suffixed forms of the keyword(s).**Search Options:****Select publication types:**

- ☒ IEEE Journals
- ☒ IEE Journals
- ☒ IEEE Conference proceedings
- ☒ IEE Conference proceedings
- ☒ IEEE Standards

**Select years to search:**

From year: 1950 to 2002

**Organize search results by:**

Sort by: Relevance

In: Descending order

List 15 Results per page

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE


[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)
**IEEE Xplore®**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)
[Quick Links](#)
**Welcome to IEEE Xplore®**

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

 Your search matched **0** of **1088345** documents.

 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.


☐ Check to search within this result set

**Results Key:**
**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard

**Results:**
**No documents matched your query.**
[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)**IEEE Xplore®**  
RELEASE 1.8Welcome  
United States Patent and Trademark Office[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

**Try our New Full-text Search Prototype**[Help](#)

- 1) Enter keywords in one or more text boxes.
- 2) Select the fields to search for each keyword.
- 3) Select search operators when using multiple keywords.
- 4) Limit the results by selecting Search Options.
- 5) Click Search. See [Search Examples](#)

jorge In: Author

And

(disk &lt;phrase&gt; drive) In: All Fields

And

In: All Fields

 **Note:** This function returns plural and suffixed forms of the keyword(s).**Search Options:****Select publication types:**

- ☒ IEEE Journals
- ☒ IEE Journals
- ☒ IEEE Conference proceedings
- ☒ IEE Conference proceedings
- ☒ IEEE Standards

**Select years to search:**

From year: 1950 to 2002

**Organize search results by:**

Sort by: Relevance

In: Descending order

List 15 Results per page

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

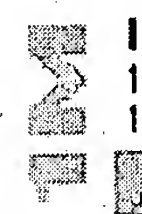
Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

**IEEE Xplore®**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office


» Se:

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)

## Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

## Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

## Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

## Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

## IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

 Your search matched **0** of **1088345** documents.

 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

## Refine This Search:

You may refine your search by editing the current search expression or enter a new one in the text box.


☐ Check to search within this result set

## Results Key:

**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard

## Results:

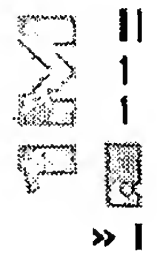
**No documents matched your query.**

Print Format

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved



[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)**IEEE Xplore®**  
RELEASE 1.8Welcome  
United States Patent and Trademark Office[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

**Try our New Full-text Search Prototype GO**[Help](#)

- 1) Enter keywords in one or more text boxes.
- 2) Select the fields to search for each keyword.
- 3) Select search operators when using multiple keywords.
- 4) Limit the results by selecting Search Options.
- 5) Click Search. See [Search Examples](#)

 In:  In:  In:  **Note:** This function returns plural and suffixed forms of the keyword(s).**Search Options:****Select publication types:**

- ☒ IEEE Journals
- ☒ IEE Journals
- ☒ IEEE Conference proceedings
- ☒ IEE Conference proceedings
- ☒ IEEE Standards

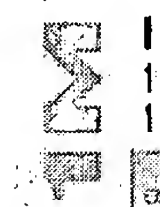
**Select years to search:**From year:  to **Organize search results by:**Sort by: In:  orderList  Results per page[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved



IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE


[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)
**IEEE Xplore®**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office


» Se:

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)
[Quick Links](#)
**Welcome to IEEE Xplore®**

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

 Your search matched **0** of **1088345** documents.

 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.


☐ Check to search within this result set

**Results Key:**
**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard

**Results:**
**No documents matched your query.**

Print Format

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)**IEEE Xplore®**  
RELEASE 1.8Welcome  
United States Patent and Trademark Office[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

**Try our New Full-text Search Prototype** **GO**[Help](#)

- 1) Enter keywords in one or more text boxes.
- 2) Select the fields to search for each keyword.
- 3) Select search operators when using multiple keywords.
- 4) Limit the results by selecting Search Options.
- 5) Click Search. See [Search Examples](#)

 In:  In:  In:  **Note:** This function returns plural and suffixed forms of the keyword(s).**Search Options:****Select publication types:**

- ☒ IEEE Journals
- ☒ IEE Journals
- ☒ IEEE Conference proceedings
- ☒ IEE Conference proceedings
- ☒ IEEE Standards

**Select years to search:**From year:  to **Organize search results by:**Sort by:   
In:  order  
List  Results per page[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

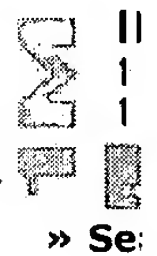
Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

**IEEE Xplore®**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)
**Welcome to IEEE Xplore®**

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

 Your search matched **0** of **1088345** documents.

 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

**Refine This Search:**

You may refine your search by editing the current search expression or entering a new one in the text box.


☐ Check to search within this result set

**Results Key:**
**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard

**Results:**
**No documents matched your query.**

Print Format

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)**IEEE Xplore®**  
RELEASE 1.8Welcome  
United States Patent and Trademark Office[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Try our New Full-text Search Prototype **GO**[Help](#)

- 1) Enter keywords in one or more text boxes.
- 2) Select the fields to search for each keyword.
- 3) Select search operators when using multiple keywords.
- 4) Limit the results by selecting Search Options.
- 5) Click Search. See [Search Examples](#)

 In: And  In: And  In:  **Note:** This function returns plural and suffixed forms of the keyword(s).

Search Options:

Select publication types:

- ☒ IEEE Journals
- ☒ IEE Journals
- ☒ IEEE Conference proceedings
- ☒ IEE Conference proceedings
- ☒ IEEE Standards

Select years to search:

From year:  to 

Organize search results by:

Sort by:   
In:  order  
List  Results per page[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

**IEEE Xplore®**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)
**Welcome to IEEE Xplore®**

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

 Your search matched **0** of **1088345** documents.

 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.


☐ Check to search within this result set

**Results Key:**
**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard

**Results:**
**No documents matched your query.**

Print Format

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved



[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)**IEEE Xplore®**  
RELEASE 1.8Welcome  
United States Patent and Trademark Office[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

**Try our New Full-text Search Prototype** [Help](#)

- 1) Enter keywords in one or more text boxes.
- 2) Select the fields to search for each keyword.
- 3) Select search operators when using multiple keywords.
- 4) Limit the results by selecting Search Options.
- 5) Click Search. See [Search Examples](#)

 In: 

And

 In: 

And

 In:  **Note:** This function returns plural and suffixed forms of the keyword(s).**Search Options:****Select publication types:**

- ☒ IEEE Journals
- ☒ IEE Journals
- ☒ IEEE Conference proceedings
- ☒ IEE Conference proceedings
- ☒ IEEE Standards

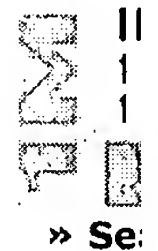
**Select years to search:**From year:  to **Organize search results by:**Sort by: In:  orderList  Results per page[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved



IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE


[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)
**IEEE Xplore®**  
RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)
[Quick Links](#)
**Welcome to IEEE Xplore®**

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

**Tables of Contents**

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

**Search**

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

**Member Services**

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

**IEEE Enterprise**

- ☐ Access the IEEE Enterprise File Cabinet

 Your search matched **0** of **1088345** documents.

 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

**Refine This Search:**

You may refine your search by editing the current search expression or entering a new one in the text box.


☐ Check to search within this result set

**Results Key:**
**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard

**Results:**
**No documents matched your query.**
**Print Format**
[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE


[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)
**IEEE Xplore®**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)
[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

[Tables of Contents](#)

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

[Search](#)

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

[Member Services](#)

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

[IEEE Enterprise](#)

- ☐ Access the IEEE Enterprise File Cabinet

**Try our New Full-text Search Prototype**
[Help](#)

- 1) Enter keywords in one or more text boxes.
- 2) Select the fields to search for each keyword.
- 3) Select search operators when using multiple keywords.
- 4) Limit the results by selecting Search Options.
- 5) Click Search. See [Search Examples](#)

(hard &lt;phrase&gt; disk &lt; In: All Fields

And

(operation &lt;phrase&gt; n In: All Fields

And

(temperature &lt;phrase&gt; In: All Fields

Search Clear

**Note:** This function returns plural and suffixed forms of the keyword(s).

**Search Options:**
**Select publication types:**

- ☒ IEEE Journals
- ☒ IEE Journals
- ☒ IEEE Conference proceedings
- ☒ IEE Conference proceedings
- ☒ IEEE Standards

**Select years to search:**

From year: 1950 to 2002

**Organize search results by:**

 Sort by: Relevance  
 In: Descending order  
 List 15 Results per page

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

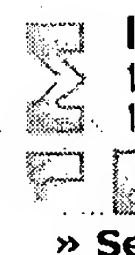
Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

**IEEE Xplore®**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office


» Se:

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)

Quick Links

## Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

## Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

## Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

## Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

## IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

Your search matched **0** of **1088345** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

## Refine This Search:

You may refine your search by editing the current search expression or enter a new one in the text box.

(hard &lt;phrase&gt; disk &lt;phrase&gt; drive)&lt;and&gt;(operatio

Search

☐ Check to search within this result set

## Results Key:

**JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard

## Results:

**No documents matched your query.**
[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved